

Title (en)

BATTERY HAVING A LOCKING ELEMENT, AND VEHICLE HAVING A SOCKET FOR THE ARRANGEMENT OF THE BATTERY

Title (de)

BATTERIE MIT ARRETIERUNGSELEMENT UND FAHRZEUG MIT AUFNAHME ZUR ANORDNUNG DER BATTERIE

Title (fr)

BATTERIE DOTÉE D'UN ÉLÉMENT DE VERROUILLAGE ET VÉHICULE DOTÉ D'UNE CAVITÉ POUR L'AGENCEMENT DE LA BATTERIE

Publication

EP 4162555 A1 20230412 (DE)

Application

EP 21729544 A 20210531

Priority

- DE 102020206984 A 20200604
- EP 2021064549 W 20210531

Abstract (en)

[origin: WO2021245027A1] The invention relates to a battery having a plurality of battery cells, which are electrically interconnected in series and/or parallel and are accommodated in a housing element (2) of the battery (1). The housing element (2) of the battery (1) has a first electrical terminal (41) of the battery (1) and a second electrical terminal (42) of the battery (1) on a first lateral surface (31). The housing element (2) of the battery (1) has a locking element (5) on a second lateral surface (32). When the locking element (5) is arranged in a first position, the first terminal (41) of the battery (1) and the second terminal (42) of the battery (1) are arranged to be brought into electrical and mechanical contact with a first terminal (61) of the socket (7) and with a second terminal (62) of the socket (7). When the locking element (5) is arranged in a second position, the first terminal (41) of the battery (1) and the second terminal (42) of the battery (1) are arranged to be electrically and mechanically disconnected from the first terminal (61) of the socket (7) and from the second terminal (62) of the socket (7).

IPC 8 full level

H01M 10/052 (2010.01); **H01M 50/20** (2021.01); **H01M 50/202** (2021.01); **H01M 50/213** (2021.01); **H01M 50/244** (2021.01);
H01M 50/249 (2021.01); **H01M 50/256** (2021.01); **H01M 50/262** (2021.01); **H01M 50/296** (2021.01)

CPC (source: EP)

H01M 10/052 (2013.01); **H01M 50/202** (2021.01); **H01M 50/213** (2021.01); **H01M 50/244** (2021.01); **H01M 50/249** (2021.01);
H01M 50/256 (2021.01); **H01M 50/262** (2021.01); **H01M 50/296** (2021.01); **H01M 2220/20** (2013.01); **Y02E 60/10** (2013.01)

Citation (search report)

See references of WO 2021245027A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102020206984 A1 20211209; EP 4162555 A1 20230412; JP 2023527909 A 20230630; WO 2021245027 A1 20211209

DOCDB simple family (application)

DE 102020206984 A 20200604; EP 2021064549 W 20210531; EP 21729544 A 20210531; JP 2022574399 A 20210531